

# **BIG BEND NATIONAL PARK**

## **NPS Traffic Monitoring Program, Coverage Count and Data Reporting Project DTFH71-02-C-00080**



January 28, 2005

**Prepared for**

**Department of Transportation  
Federal Highway Administration  
Eastern Federal Lands Highway Division**



**U.S. Department of Transportation  
Federal Highway Administration**

Submitted by



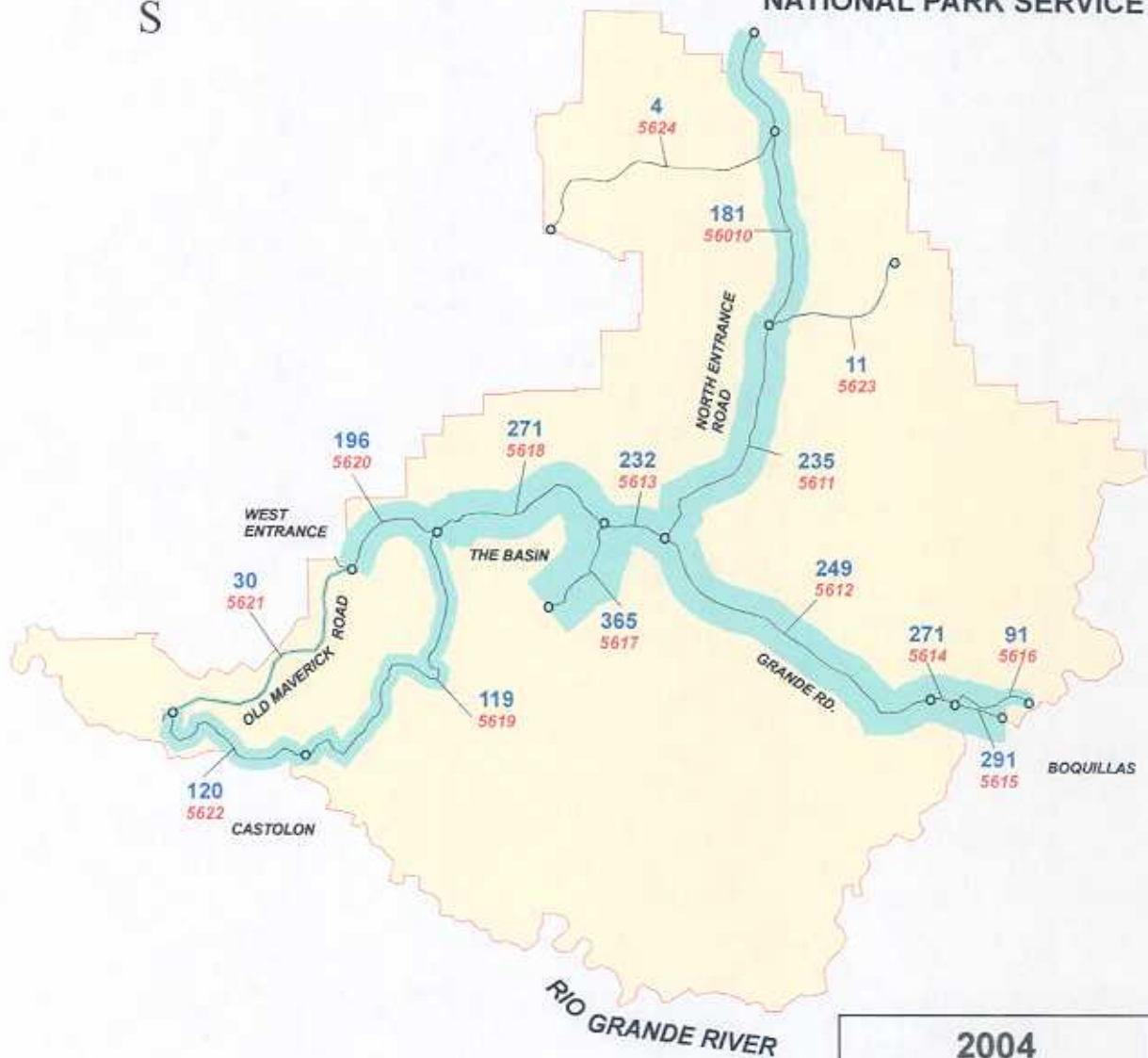
**ERES**  
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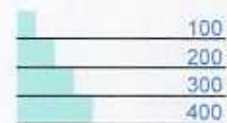
# Big Bend National Park Texas

U.S. Department of Interior  
NATIONAL PARK SERVICE



10 0 10 20 Miles

## 2004 Traffic Counts



AADT Scale

Reference Station Number in ITALICS

## BIG BEND NATIONAL PARK

## TRAFFIC TRENDS SUMMARY

Rt. No.	Roadway Segment	Sta. ID.	Length	AADT				VMT(1000's)			
				1988	1991	1994	2004	1988	1991	1994	2004
11	North Entrance Rd. - Panther Jct. to Dagger Flat Rd.	5611	13.18	194	243	218	235	933	1169	1049	1131
11	North Entrance Rd. - Dagger Flat Rd. to North Entrance	56010	14.35	216	210	293	181	1131	1100	1535	948
12	Rio Grande Rd. - Panther Jct. to Old Ore Rd.	5612	18.94	77	605	504	249	532	4182	3484	1721
12	Rio Grande Rd. - Old Ore Rd. to Rio Grande Village	5614	1.40	295	473	239	271	151	242	122	138
13	West Entrance Rd. - West Entrance to Castolon Rd.	5620	8.90	396	319	277	196	1286	1036	900	637
13	West Entrance Rd. - Castolon Rd. to Chisos Basin Rd.	5618	9.02	443	360	293	271	1458	1185	965	892
13	West Entrance Rd. - Chisos Basin Rd. to Panther Jct.	5613	4.00	485	576	599	232	708	841	875	339
14	Chisos Basin Rd. - West Entrance Rd. to Chisos Basin	5617	6.50	434	479	472	365	1030	1136	1120	866
15	Castolon Rd. - West Entrance Rd. to Cottonwood Campground	5619	23.18	143	145	176	119	1210	1227	1489	1007
16	Santa Elena Canyon Rd. - Cottonwood Campground to End of Road	5622	7.70	120	181	132	120	337	509	371	337
100*	Old Marathon Road - North Entrance Rd to West Park Bdry.	5624	23.89	12	3	3	4	105	26	26	35
101	Dagger Flat Rd. - North Entrance Rd. to East End of Road	5623	7.73	6	18	9	11	17	51	25	31
109	Boquillas Canyon Rd. - Rio Grande Village to End of Road	5616	3.60	119	214	125	91	156	281	164	120
115	Old Maverick Rd -W, Entrance Rd. to Santa Elena Canyon Rd.	5621	12.89	4	57	33	30	19	268	155	141
201	Rio Grande Village Rd. - Rio Grande Rd. to Campground	5615	3.14	360	401	167	291	413	460	191	334
VMT SUMMARY								9487	13713	12471	8202

Note: AADT -- Annual Average Daily Traffic

VMT-- Vehicle Miles of Travel

\* Route name and route mileage has changed since the 1994 report



## National Park Service Traffic Count Program

## BIG BEND NATIONAL PARK

## 2004 TRAFFIC VOLUME SUMMARY

Sta. ID.	STATION LOCATION	BEGIN DATE	24 HR VOL.	SEAS. FACT.	ANN. FACT.	SADT	AADT	REF. STA.
56010	North Entrance Rd. - Dagger Flat Rd. to North Entrance	11/20/2004				206	181	Self
5611	North Entrance Rd. - Panther Jct. to Dagger Flat Rd.	11/20/2004	352	0.76015	0.66667	268	235	56010
5612	Rio Grande Rd. - Panther Jct. to Old Ore Rd.	11/20/2004	373	0.76015	0.66667	284	249	56010
5613	West Entrance Rd. - Chisos Basin Rd. to Panther Jct.	11/20/2004	348	0.76015	0.66667	265	232	56010
5614	Rio Grande Rd. - Old Ore Rd. to Rio Grande Village	11/20/2004	407	0.76015	0.66667	309	271	56010
5615	Rio Grande Village Rd. - Rio Grande Rd. to Campground	11/20/2004	436	0.76015	0.66667	331	291	56010
5616	Boquillas Canyon Rd. - Rio Grande Village to End of Road	11/20/2004	136	0.76015	0.66667	103	91	56010
5617	Chisos Basin Rd. - West Entrance Rd. to Chisos Basin	11/20/2004	548	0.76015	0.66667	417	365	56010
5618	West Entrance Rd. - Castolon Rd. to Chisos Basin Rd.	11/20/2004	406	0.76015	0.66667	309	271	56010
5619	Castolon Rd. - West Entrance Rd. to Cottonwood Campground	11/20/2004	179	0.76015	0.66667	136	119	56010
5620	West Entrance Rd. - West Entrance to Castolon Rd.	11/20/2004	294	0.76015	0.66667	223	196	56010
5621	Old Maverick Rd. - W. Entrance Rd. to Santa Elena Canyon Rd.						30	
5622	Santa Elena Canyon Rd. - Cottonwood Campground to End of Road						120	
5623	Dagger Flat Rd. - North Entrance Rd. to East End of Road	11/20/2004	16	0.76015	0.66667	12	11	56010
5624	Old Marathon Road - North Entrance Rd to West Park Bdry.	11/20/2004	6	0.76015	0.66667	5	4	56010

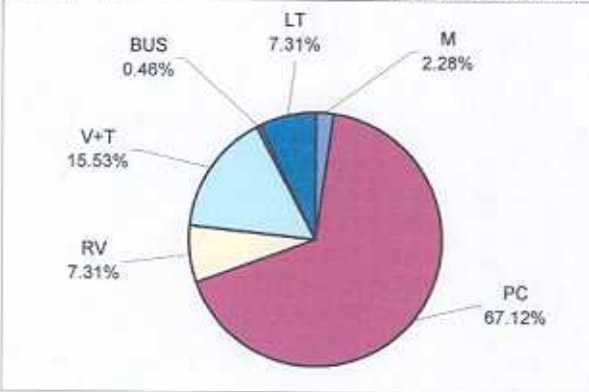
Note: \* No data were collected. Roads were closed due to washout. Traffic estimates are based on 1994 AADT estimate factored by park GF of 0.91.  
 AADT - Annual Average Daily Traffic  
 SADT - Seasonal Average Daily Traffic computed using data for the months containing 80% of annual volume.  
 REF. STA. - a permanent Automated Traffic Recorder (ATR) reference station used to obtain seasonal and annual adjustment factors for coverage counts.

National Park Service Traffic Count Program

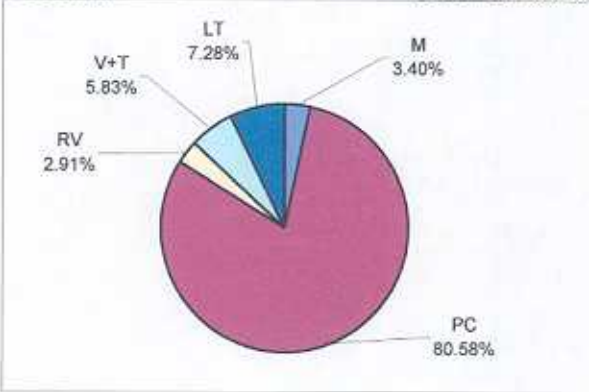
BIG BEND NATIONAL PARK

Vehicle Classification

Location: STATION 56010



Location: STATION 5620



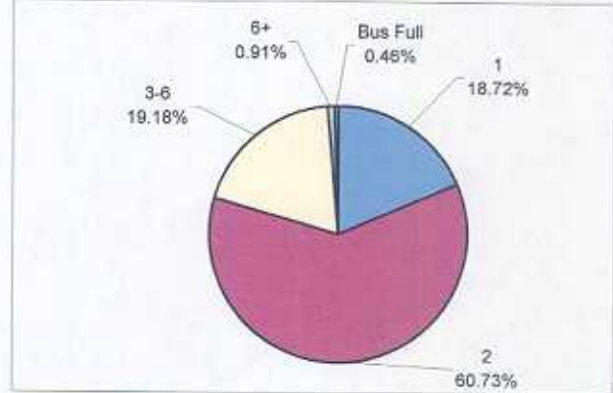
CLASSIFICATION LEGEND:

No.	Vehicle Type	FHWA Class
M	Motorcycles	Class 1
PC	Passenger Cars	Class 2
RV	Recreational Vehicles	N/A
V+T	Vehicles/RV pulling Trailer	N/A
BUS	Transit/Shuttle Buses	Class 4
TOUR	Tour Buses	Class 4
LT	Light-duty Trucks	Classes 3, 5
HT	Heavy-duty Trucks	Classes 6 - 13

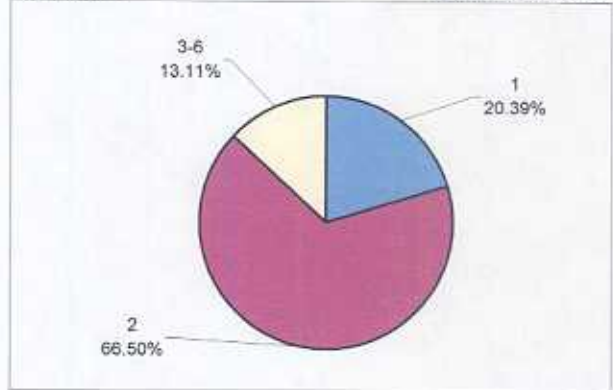
2004 TRAFFIC COMPOSITION SUMMARY

Vehicle Occupancy

Location: STATION 56010



Location: STATION 5620



OCCUPANCY LEGEND:

No.	Vehicle Occupancy
1	1 Occupant
2	2 Occupants
3-6	3-6 Occupants (car load)
6+	More than 6 Occupants, (non-Bus)
Bus 0	Bus, No Passengers
Bus +	Bus, Few Passengers
Bus++	Bus, Semi-Loaded
Bus Full	Bus, Fully Loaded

Note: Vehicle Classifications and Vehicle Occupancy values represented by 0% (No Occurrence) are not shown on the charts.

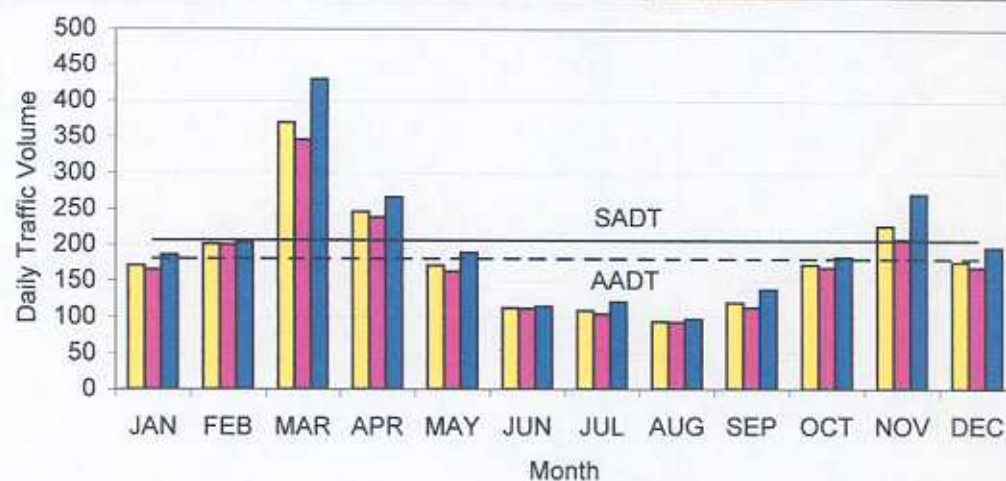
National Park Service Traffic Count Program

**BIG BEND NATIONAL PARK**

Station: 56010 North Entrance Rd. - Dagger Flat Rd. to North Entrance

Month	Year	Average Day of Month (MADT)	Average Weekday of Month (MAWDT)	Average Weekend Day of Month (MAWET)	Annual Average Daily Traffic Factor (AADTF)	Seasonal Average Daily Traffic Factor (SADTF)
1	2004	171	165	186	0.9713	1.1075
2	2004	201	200	203	0.8900	1.0148
3	2004	370	346	430	0.4202	0.4791
4	2004	246	238	266	0.6792	0.7744
5	2004	171	163	189	0.9559	1.0899
6	2004	112	111	114	1.5848	1.8070
7	2004	109	104	121	1.4931	1.7025
8	2004	94	93	97	1.8625	2.1237
9	2004	120	113	138	1.3092	1.4928
10	2004	172	168	183	0.9872	1.1257
11	2004	226	208	271	0.6667	0.7601
12	2003	176	168	196	0.9218	1.0510

Annual Average Daily Traffic (AADT)	181
Annual Average Weekday Traffic (AAWDT)	173
Annual Average Weekend Traffic (AAWET)	200
Seasonal Average Daily Traffic (SADT)	206



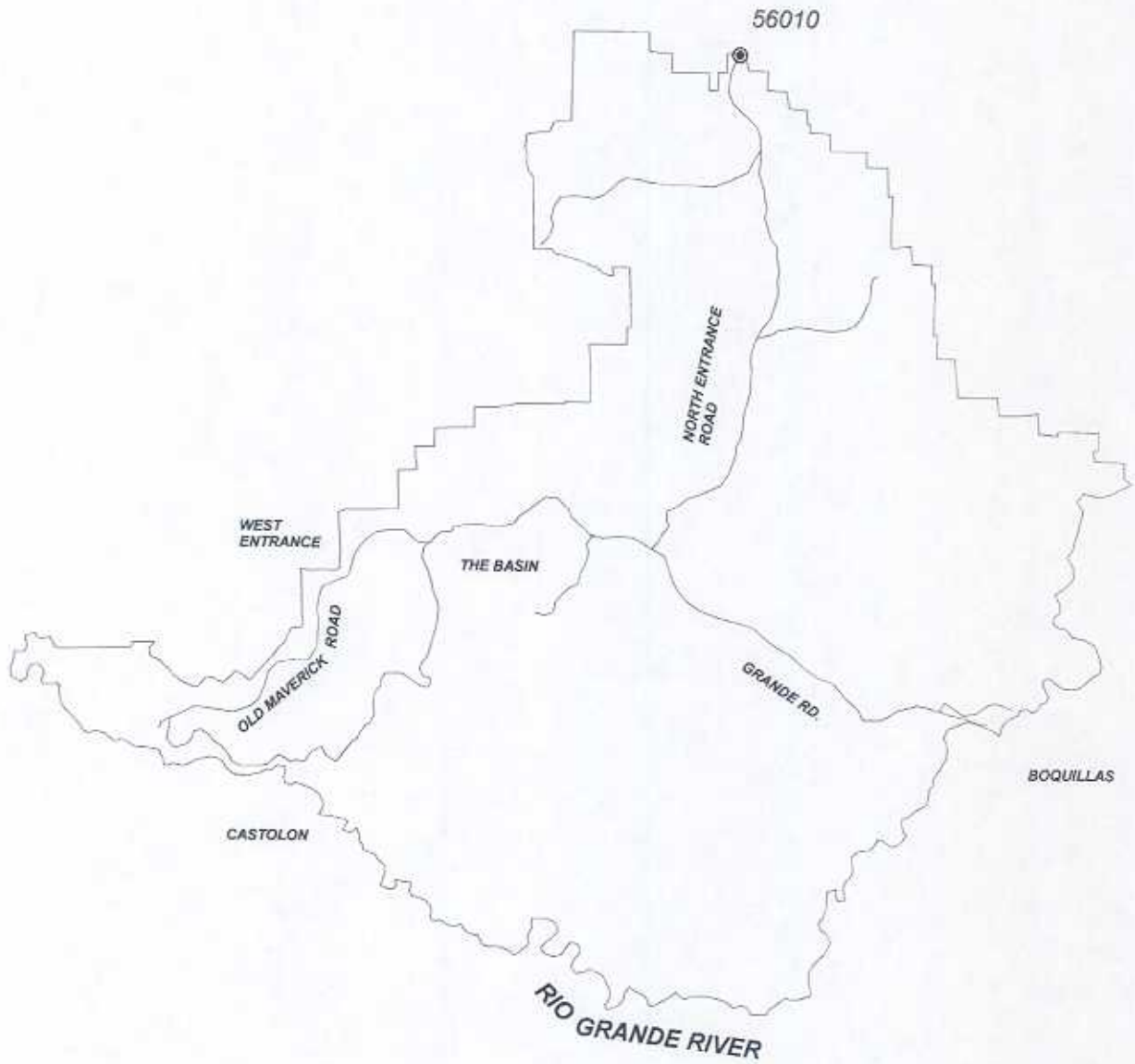
Note: AADTF is used to adjust coverage traffic volumes to AADT volume.  
SADTF is used to adjust coverage traffic volumes to SADT volume.  
SADT – Seasonal Average Daily Traffic for the months containing 80% of annual volume.



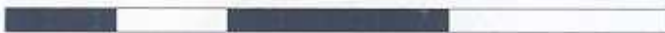


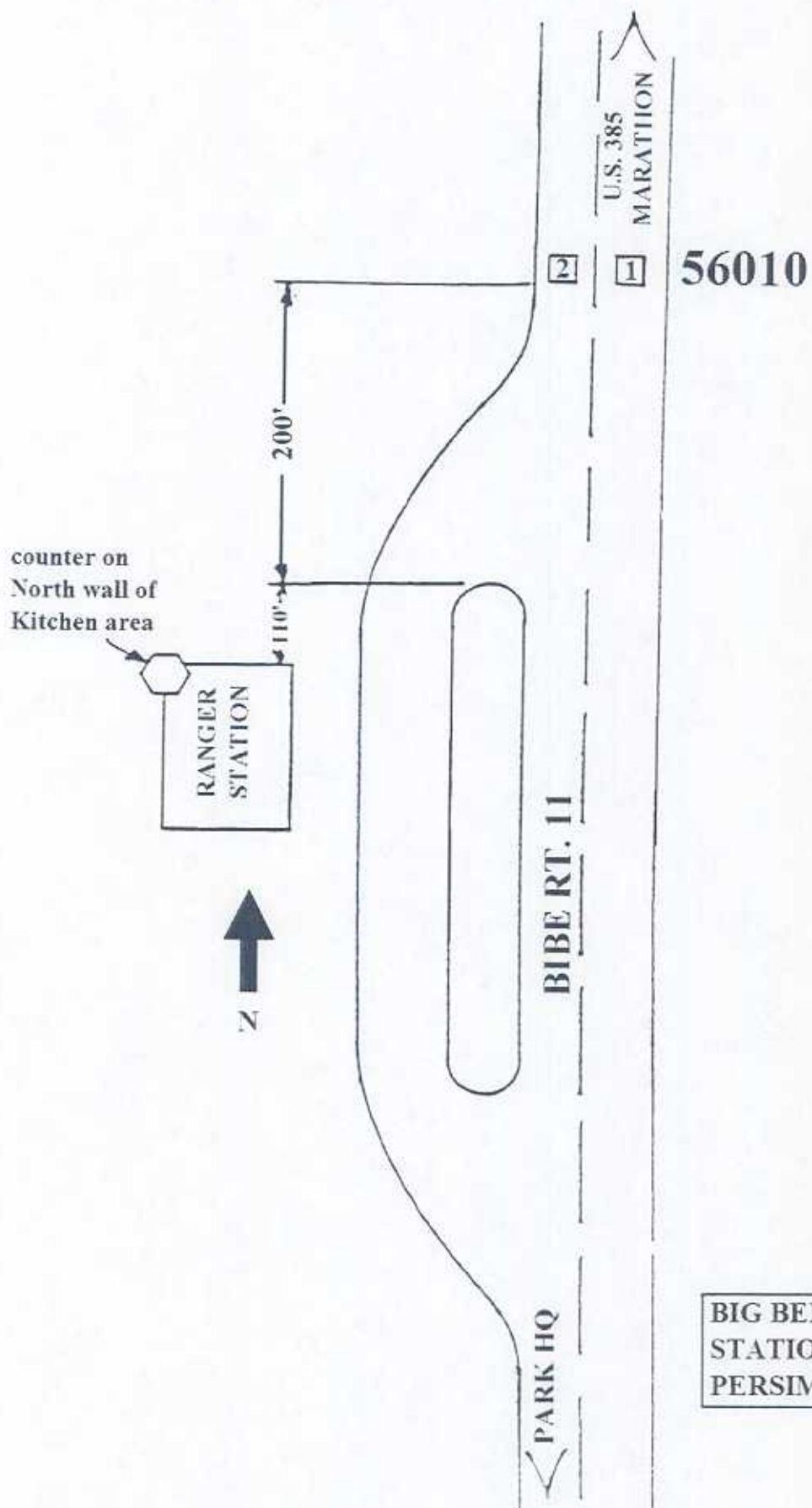
# Big Bend National Park Texas

U.S. Department of Interior  
NATIONAL PARK SERVICE



10 0 10 20 Miles









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